What is claimed is:

1. An internal antenna for a mobile handset comprising:

a feeding pin for power supply;

an upper radiating patch connected to the feeding pin, having a first upper patch portion and a second upper patch portion, which receive power supply from the feeding pin and resonate at different frequency bands respectively;

a side radiating patch receiving power supply from the feeding pin, extended along the side of the upper radiating patch and vertically apart from the upper radiating patch by certain distance; and

a short pin, one end of which is in contact with the upper radiating patch and the side radiating patch and the other end of which is grounded.

2. The internal antenna for a mobile handset of claim 1, wherein the side radiating patch comprises:

a first side patch portion for resonating at a same frequency band as the first upper patch portion; and

a second side patch portion for resonating at a same frequency band as the second upper patch portion.

3. The internal antenna for a mobile handset of claim 1, wherein at least one of the first upper patch portion and the second upper patch portion is formed to have a shape of a meander line.

4. The internal antenna for a mobile handset of claim 1, wherein the side radiating patch has a form of a stick and has a shape corresponding to an outer line of the upper radiating patch.

5. The internal antenna for a mobile handset of claim 2, wherein the first upper patch portion and the first side patch portion resonate at different frequencies respectively.

6. The internal antenna for a mobile handset of claim 2, wherein the second upper patch portion and the second side patch portion resonate at different frequencies respectively.

7. The internal antenna for a mobile handset of claim 2, wherein impedance of the first upper patch portion, the second upper patch portion, the first side patch portion and the second side patch portion change according to a location of a feeding point.

8. The internal antenna for a mobile handset of claim 2, wherein impedance of the first upper patch portion, the second upper patch portion, the first side patch portion and the second side patch portion change according to a width of the short pin.

9. The internal antenna for a mobile handset of claim 2, wherein operating frequencies of the first upper patch portion, the second upper patch portion, the first side patch portion and the second side patch portion change respectively according to lengths of the first upper patch portion, the second upper patch portion, the first side patch portion and the second side patch portion.

10. The internal antenna for a mobile handset of claim 2, wherein lengths of the first upper patch portion, the second upper patch portion, the first side patch portion and the second side patch portion are respectively equal to a quarter wavelength of their own operating frequencies.